

3.44MWh Energy Storage System

3.44MWh-280-0.5P



Technically Proven and Reliable

Fully tested and verified products, with reliable quality.

One-stop integration of cells, pack and system, supporting whole-body hoisting and transportation, short lead time.

Technically proven products, widely verified by market and highly recognized by clients.

All-round Protection

Three-tier liquid cooling manages temperatures below 2.5°C in battery packs and below 5°C across battery clusters.

Clustered active and accurate detection, pack-level perfluorohexanone and automatic water extinguishing to prevent reignition.

Multi-layered fire protection action system is designed to achieve multi-level linkage, effective inhibition and all-round protection.

Flexible Configuration

Highly integrated and standardized design for rapid deployment and easy commissioning.

Small floor area, high space efficiency and convenient maintenance.

Flexible adaptability to various environments with adjustable system energy.

Note: Product color, shape, interface and functions are for reference only. The actual product may vary.

Product Parameter

Cell	
Item	Specification
Cell Model	LF280K
Nominal Capacity	280Ah
Dimension(D×W×H)	72×174×207mm
Weight	5420g±300g
Energy Density	165Wh/kg
Rated Voltage	3.2V
Voltage Range	2.5V ~3.65V
Operating Temperature	Charge: 0~60°C Discharge: -30~60°C

Battery Module		Energy Storage System	
Item	Specification	Item	Specification
Pack Model	BP-48-153.6-280-L	System Model	ESS-3440-2H-L
Dimension(D×W×H)	1067×858×240mm	Dimension(D×W×H)	2438×6058×2896mm
Weight	300±8kg	Weight	~35t
Configuration	1P48S	Configuration	1P384S×10
Rated Energy	43kWh	Rated Energy	3440kWh
Voltage Range	134.4V~172.8V	Voltage Range	1075.2V~1382.4V
Rated Voltage	153.6V	BMS Communication	RS485/LAN/CAN
		Anti-corrosion Grade	C4H
Standard Charging and Discharging Rate	0.5P	Standard Charging and Discharging Rate	0.5P
Thermal Management	Liquid Cooling and Heating	Thermal Management	Liquid Cooling and Heating
Charging Operating Temperature	0°C~55°C	Operating Temperature	-40°C~55°C
Discharging Operating Temperature	-20°C~55°C	Relative Humidity	<75% RH (no condensation)
Level of Protection	IP67	Level of Protection	IP55
Certification	GB/T 36276, UN38.3, UL9540	Fire Suppression System	Water Firefighting (with gas fire suppression as option)

Note: The above data are from EVE Laboratory.